

To: Dresser, Chris[Dresser.Chris@epa.gov]; Tonnesen, Gail[Tonnesen.Gail@epa.gov]
Cc: Gilbert, Alexas[Gilbert.Alexas@epa.gov]; Smith, Claudia[Smith.Claudia@epa.gov]; Siffring, Stuart[Siffring.Stuart@epa.gov]; Rothery, Deirdre[Rothery.Deirdre@epa.gov]; Morales, Monica[Morales.Monica@epa.gov]
From: Beeler, Cindy
Sent: Thur 10/15/2015 2:02:22 PM
Subject: RE: U&O FIP - Emission Reductions By Pollutant

Ex. 5 - Deliberative Process

Cindy Beeler
US EPA Region 8, Energy Advisor
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From: Dresser, Chris
Sent: Thursday, October 15, 2015 7:55 AM
To: Beeler, Cindy; Tonnesen, Gail
Cc: Gilbert, Alexas; Smith, Claudia; Siffring, Stuart; Rothery, Deirdre; Morales, Monica
Subject: RE: U&O FIP - Emission Reductions By Pollutant

Thanks Cindy. I added a summary of this information to the co-benefits discussion in the TSD.

Chris Dresser

U.S. EPA – Region 8

1595 Wynkoop Street

Denver, Colorado 80202-1129

Phone: (303) 312-6385

From: Beeler, Cindy

Sent: Wednesday, October 14, 2015 5:16 PM

To: Tonnesen, Gail

Cc: Gilbert, Alexas; Smith, Claudia; Dresser, Chris; Siffring, Stuart; Rothery, Deirdre; Morales, Monica

Subject: U&O FIP - Emission Reductions By Pollutant

Gail –

Ex. 5 - Deliberative Process

EMISSION REDUCTIONS at	- Facilities => 5 TPY VOC AND		
	- Where sum Tank + Dehy + Pump => 4 TPY VOC		
Equipment	VOC (TPY)	Methane (TPY)	HAPS (TPY)
Glycol Dehydrators	15,506	1,191	7,291
Condensate/Oil Storage Tanks	14,334	4,616	895
Pneumatic Pumps	5,870	34,455	276
Pneumatic Controllers (all facilities)	5,116	30,029	240
LDAR	1,374	8,064	65
TOTAL	42,201	78,356	8,767
CO2 equivalent (MT/yr)		1,778,290	
CO2 equiv. w/ CH4 combustion (MT/yr)		1,551,459	

Ex. 5 - Deliberative Process

Row Labels	Sum of Dehy VOC (tpy)	Benzene (TPY)	Toluene (TPY)	Ethylbenzene (TPY)	Xylene (TPY)	n-
Anadarko Uintah Midstream, LLC	8	0.04	0.05	0.00	0.02	
Bill Barrett Corporation						
Crescent Point Energy U.S. Corp						
Enduring Resources, LLC						
EOG Resources, Inc.	6,500	619	1,557	56	1,075	
EP Energy E&P Company, L.P.						
Gasco Energy, Inc						
Kerr-McGee Oil and Gas Onshore LP						
Koch Exploration Company	474	38	97	4	75	
Newfield Production Company	58	7	12	2	9	
QEP Energy Company	328	13	11	0	4	
QEP Field Services Company	8	1	2	0	1	
Red Rock Gathering Company, LLC						
Rosewood Resources, Inc.						
Ultra Resources, Inc.	26	5	6	0	2	
Ute Energy, LLC						
Whiting Petroleum Company	68	25	21	1	5	
XTO Energy, Inc	8,352	821	1,442	37	1,265	
Grand Total	15,822	1,530	3,148	101	2,436	
# of Glycol Dehydrator Units/Facilities	1852					
Emission reductions achieved at	98%					
	15,506	1,499	3,085	99	2,387	

Cindy Beeler

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